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Please add new Claims 6-8 as follows:

6. (New) The ceramic heater according to claim 2,  
wherein said ceramic substrate is carbide ceramic or a nitride ceramic.
7. (New) The ceramic heater according to claim 2,  
wherein the thickness of said ceramic substrate is 25 mm or less.
8. (New) The ceramic substrate according to claim 2,  
wherein the diameter of said ceramic substrate exceeds 150 mm.

#### IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract on page 45 as follows:

#### ABSTRACT

A ceramic heater in which it is easy to forcibly cool the remaining heat of a heating element, wherein it is easy to control the resistance value of the heating element, wherein the temperature of the periphery does not become lower than a set value, and wherein no cracks are generated by rapid temperature rising and rapid temperature falling. The ceramic heater includes a ceramic substrate and a resistance heating element formed on the surface of the ceramic substrate, wherein the outermost circumference of a resistance heating element-formed area is located within 35 mm from the side face of the ceramic substrate.